

Fig 10

MODULAR SUBSTRATE GAS PANEL HAVING  
MANIFOLD CONNECTIONS IN A COMMON PLANE  
BY: KIM NGOC VU  
ATTORNEY DOCKET NO.: C1138-700110

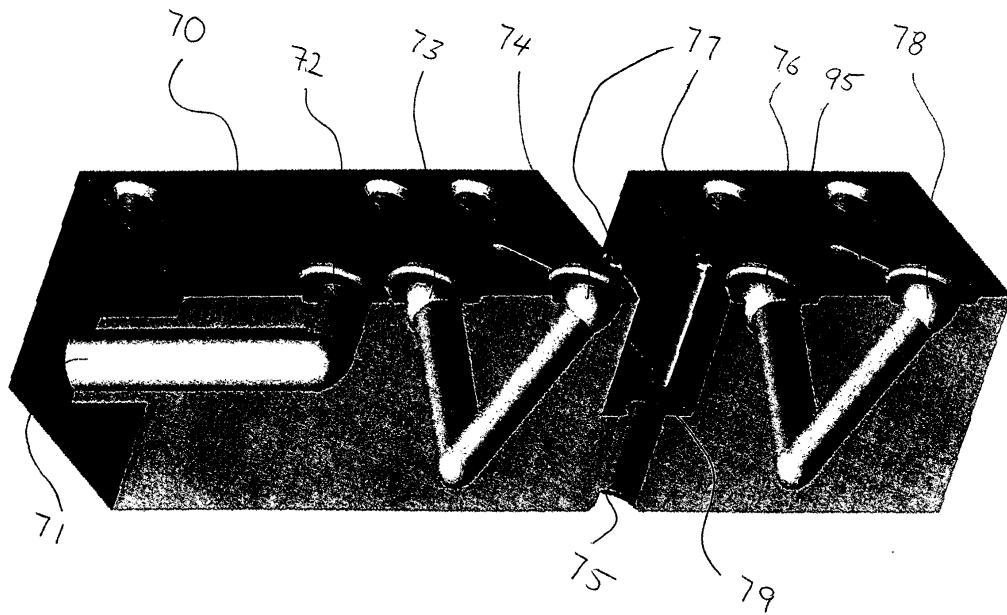


Fig. 11

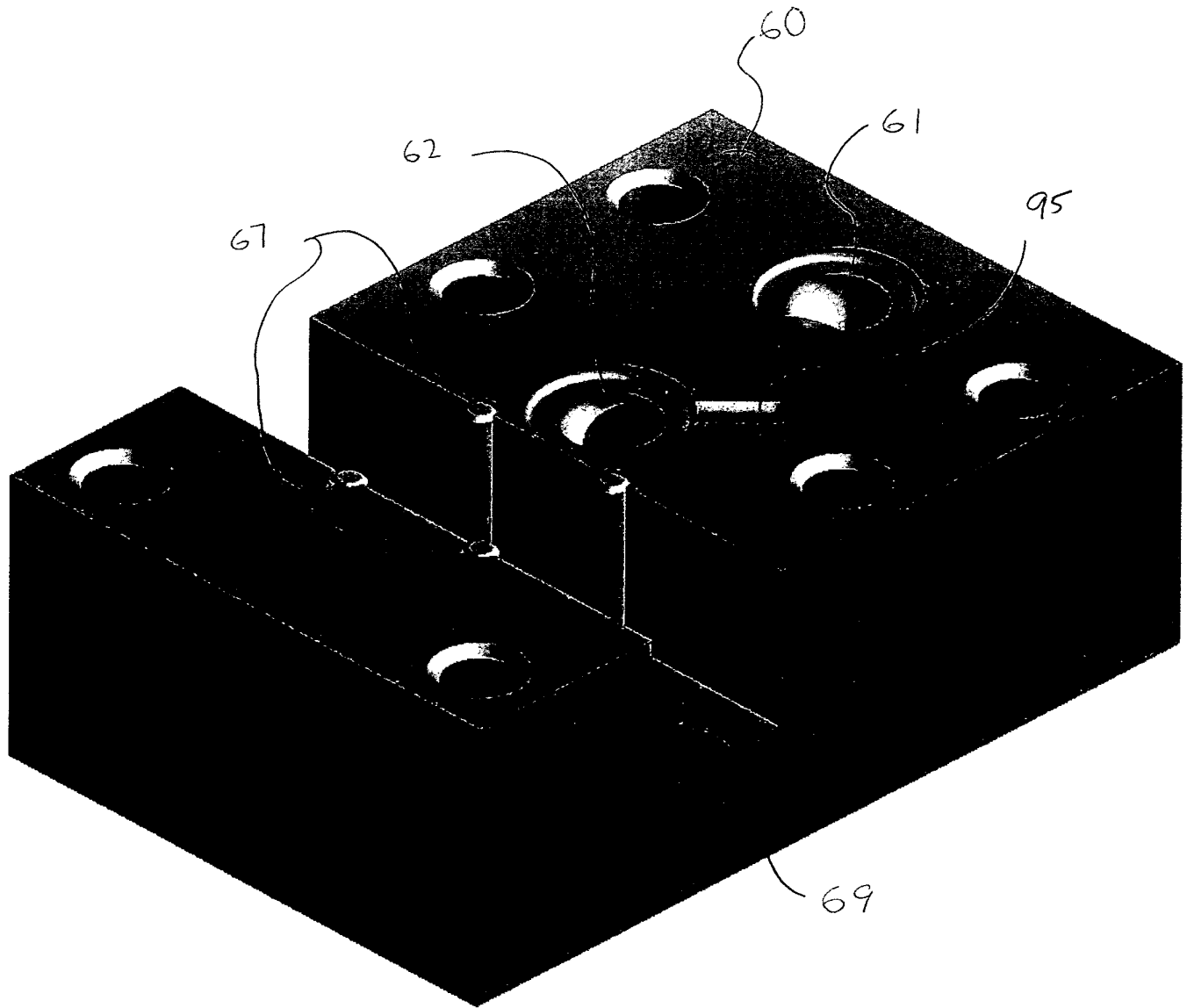


Fig. 12

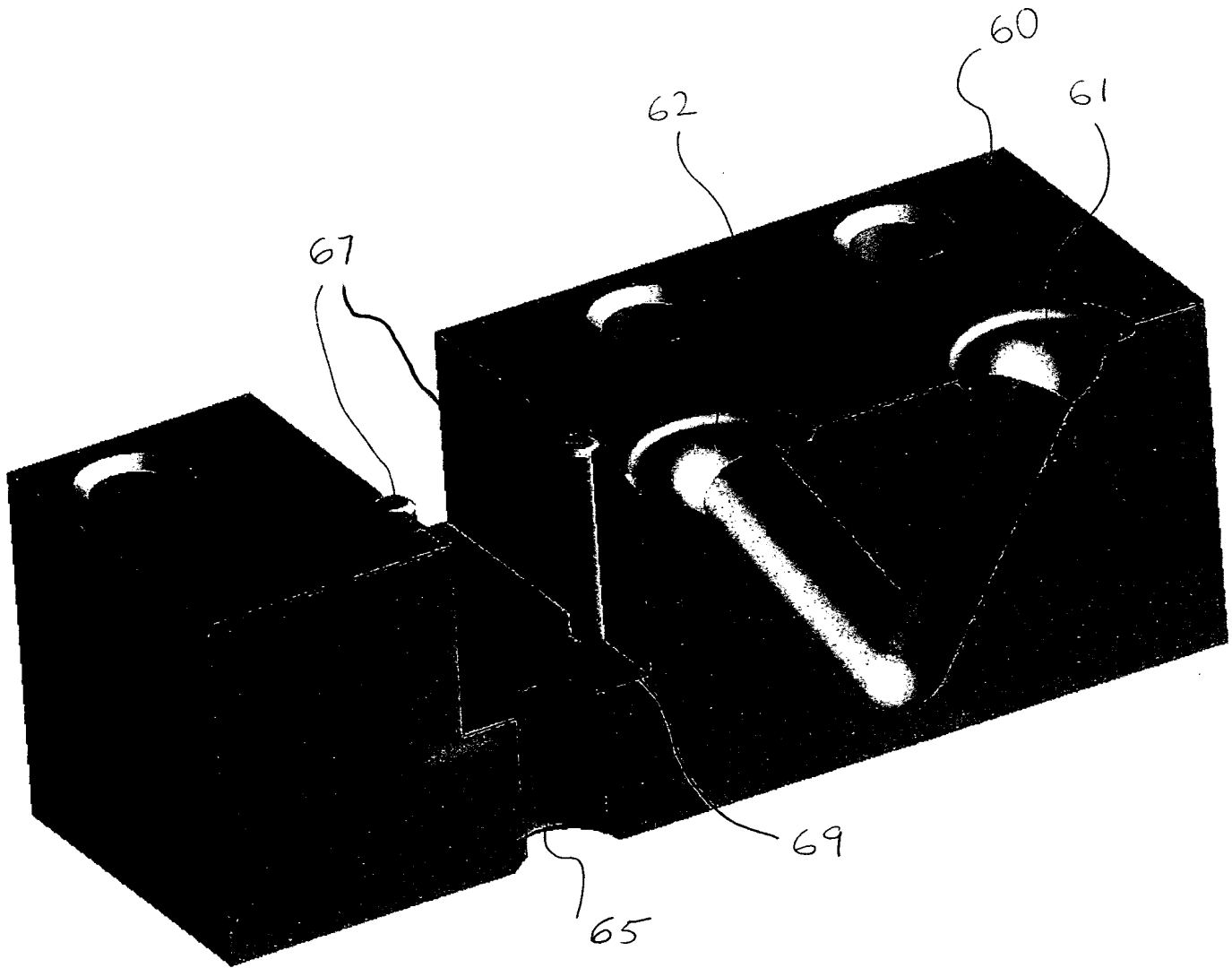
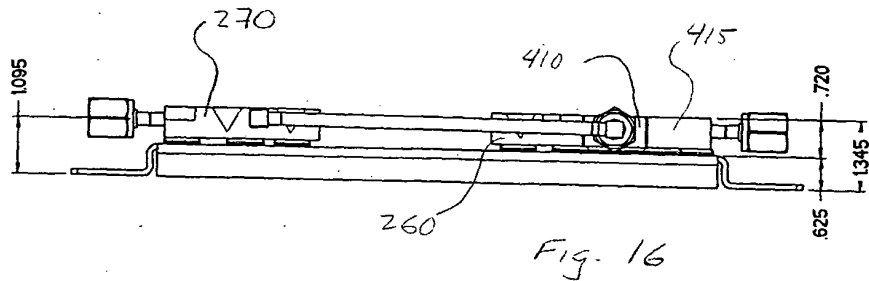
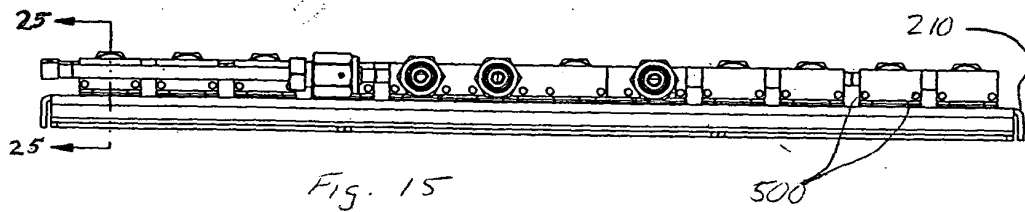
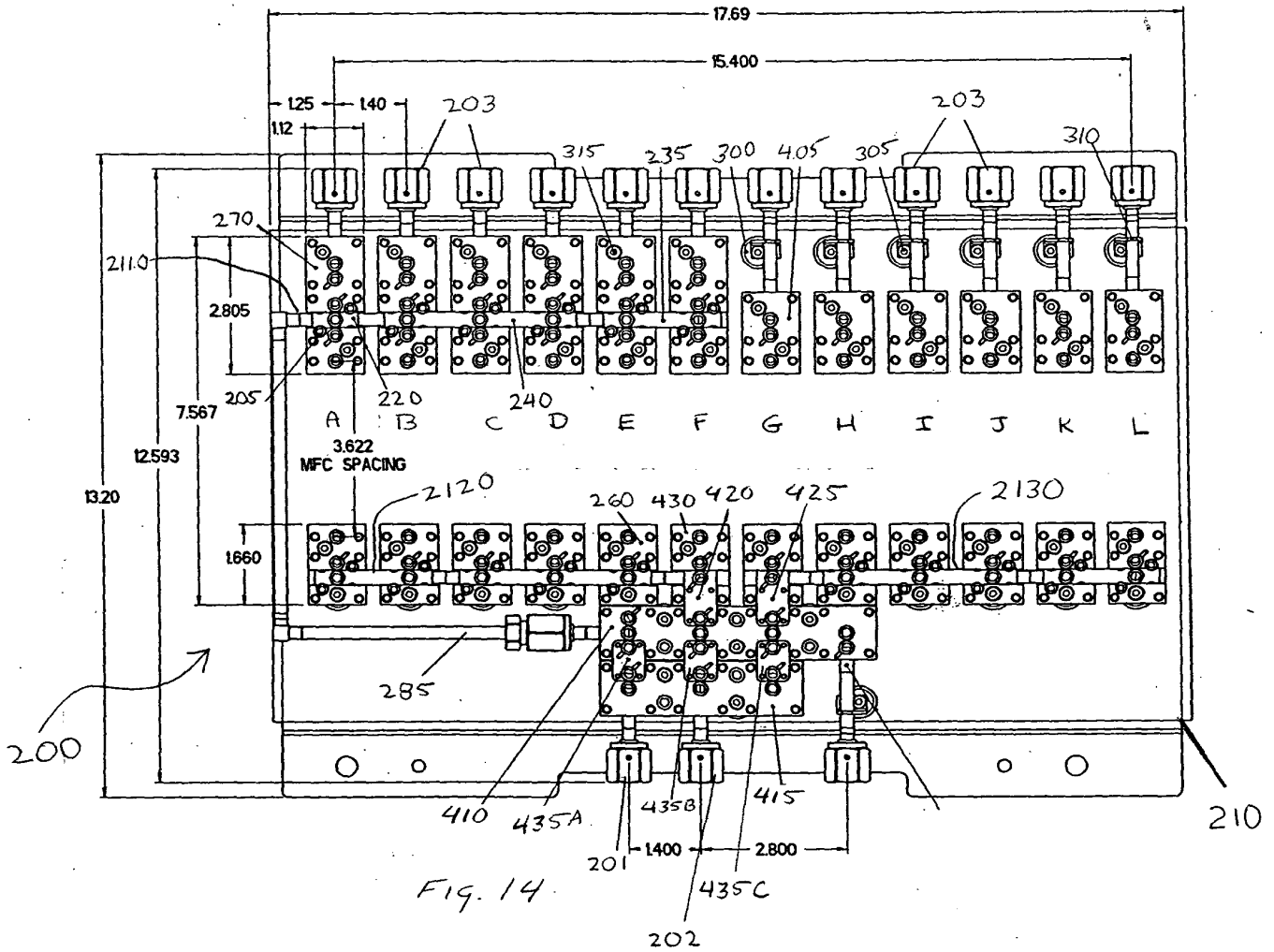


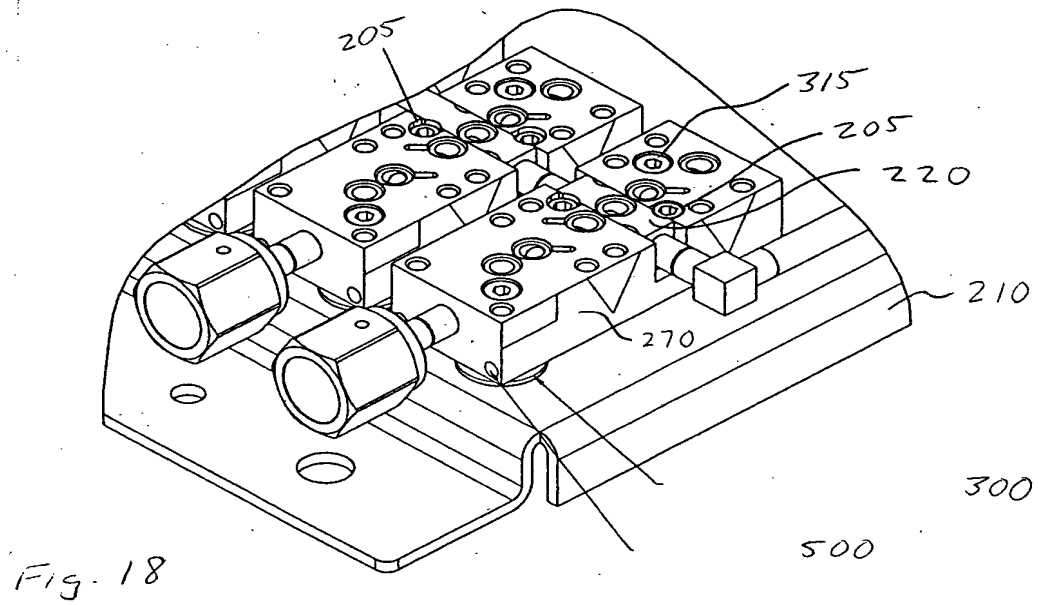
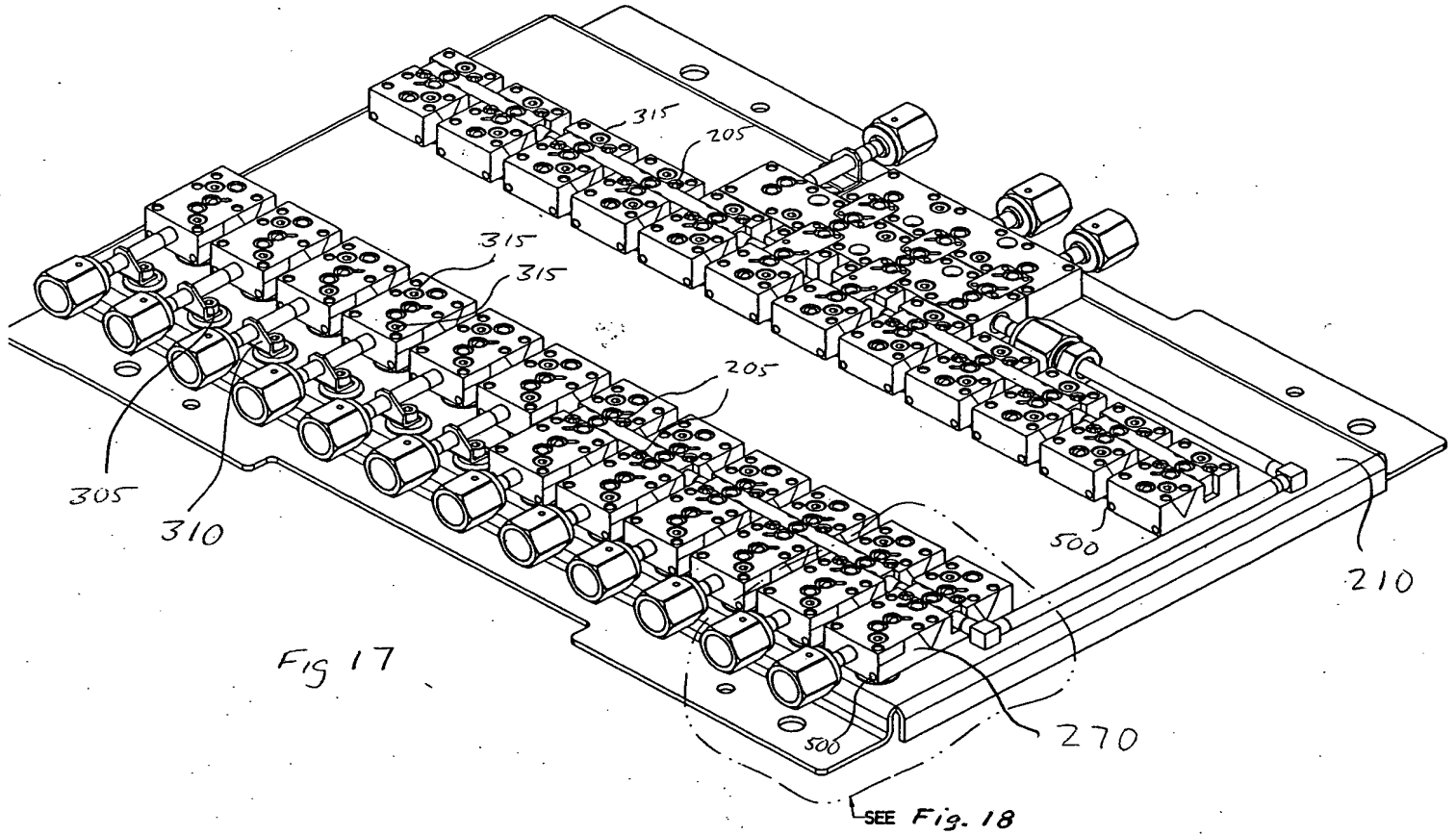
Fig. 13

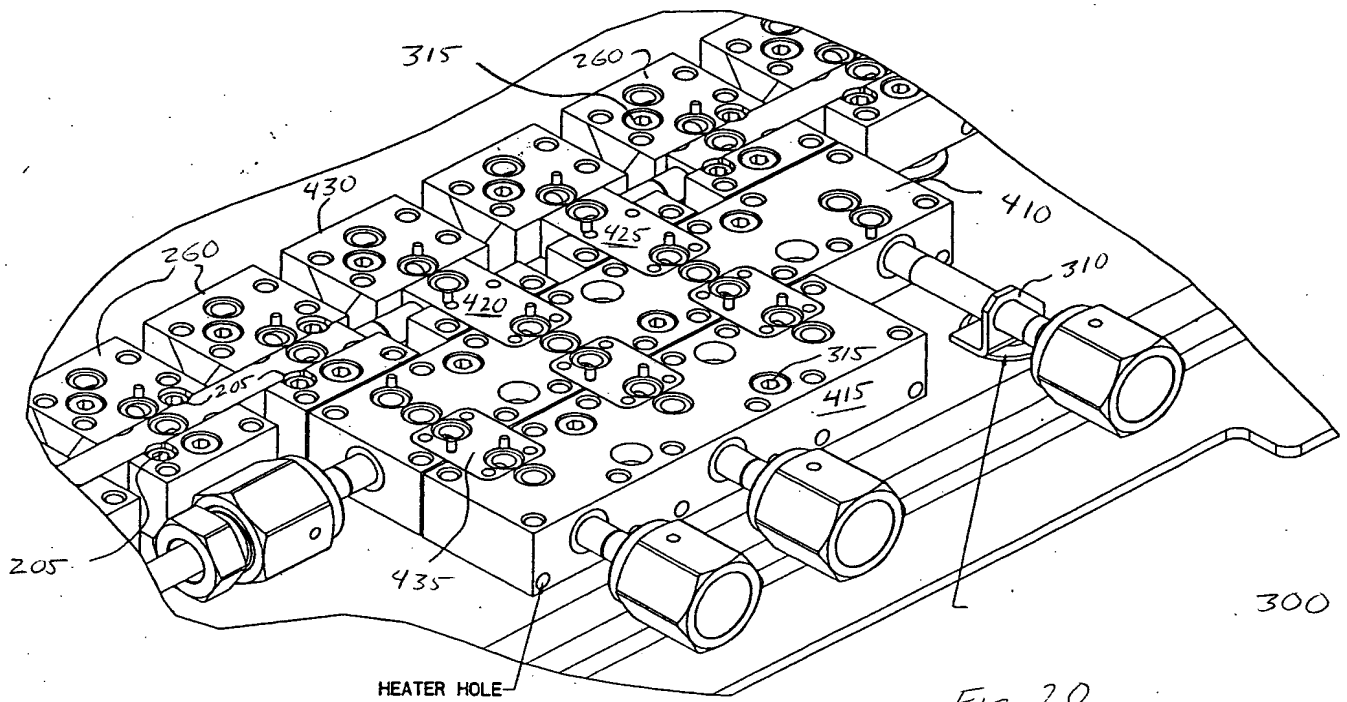
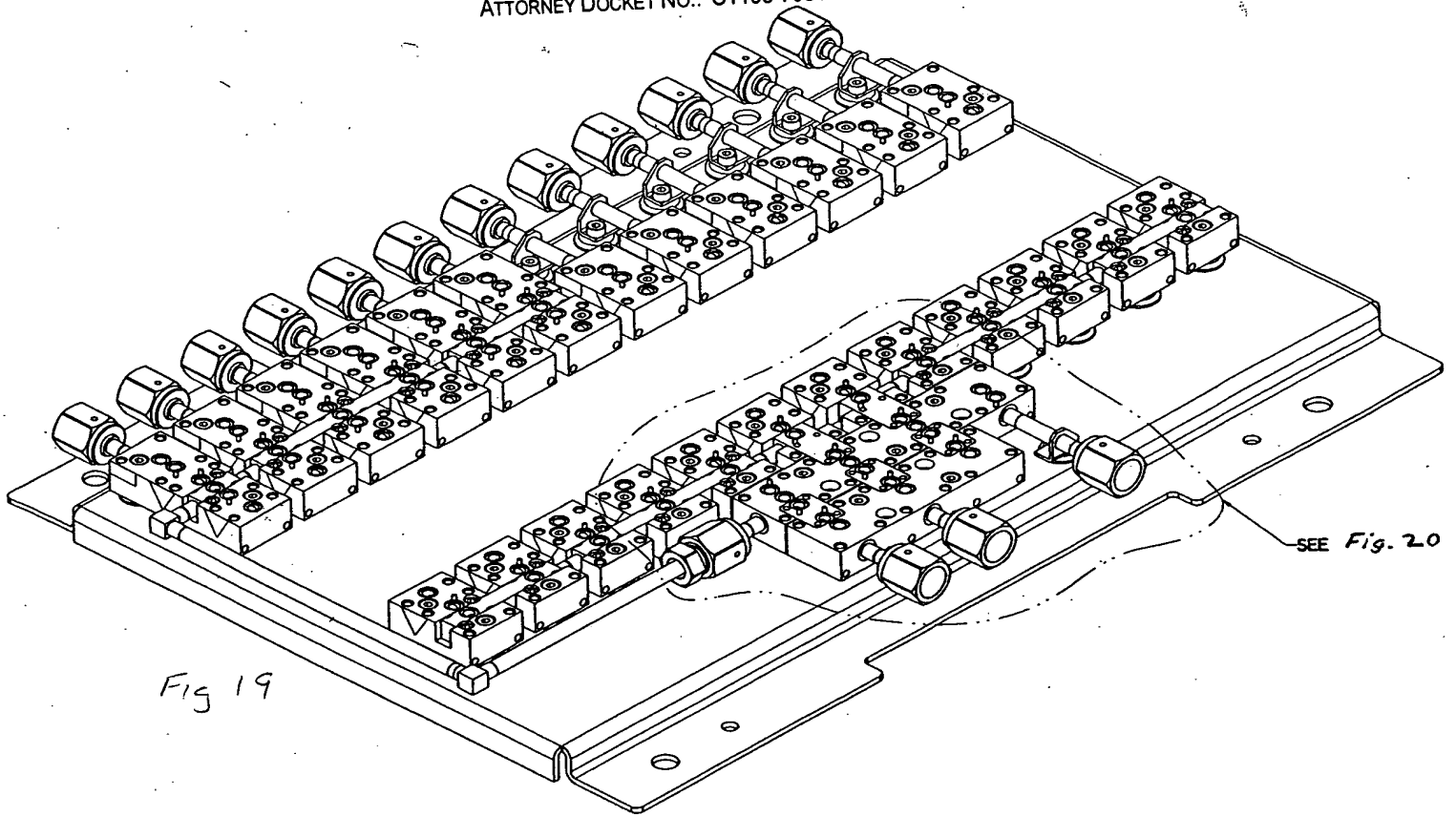
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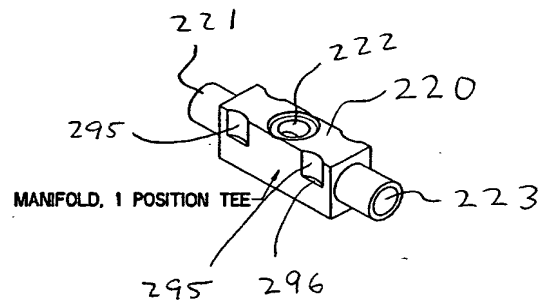
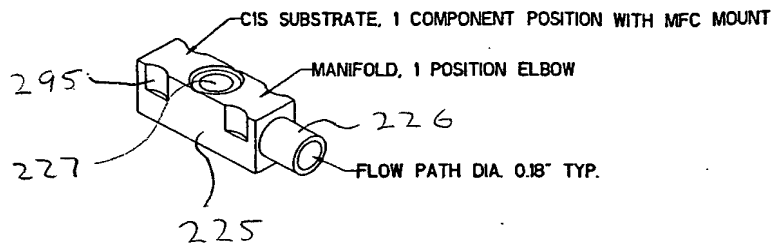
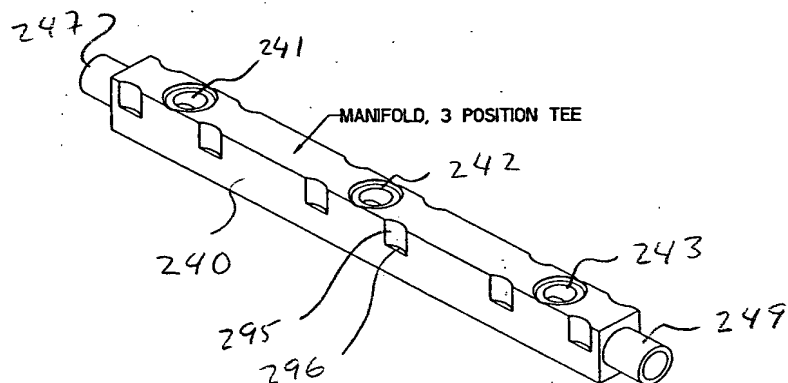
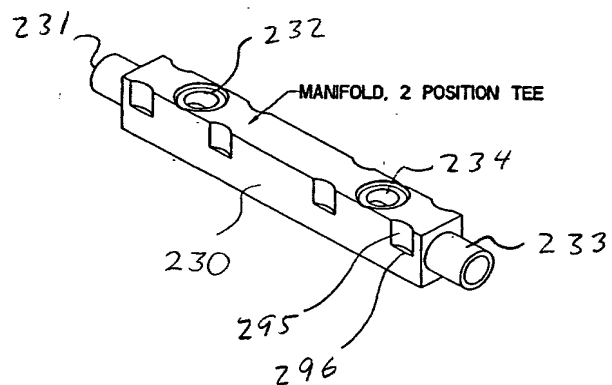
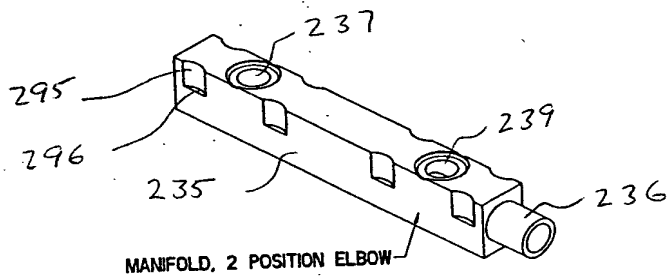


Fig. 21



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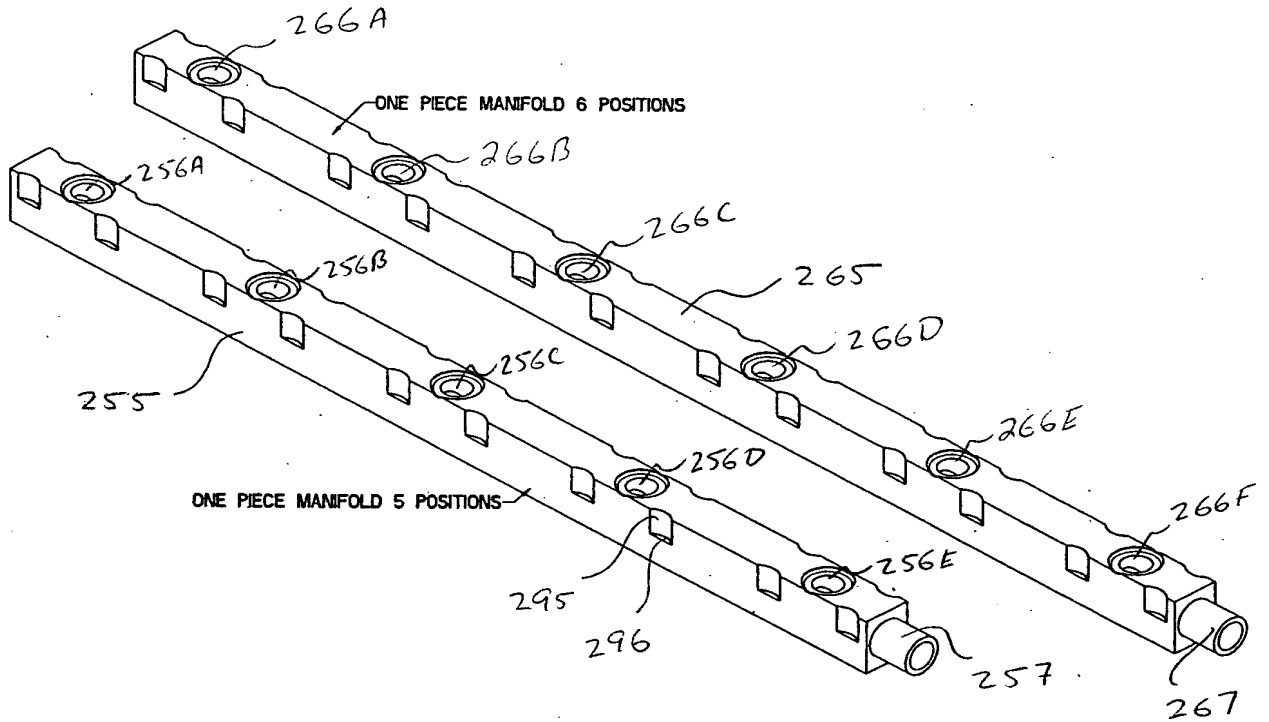


Fig. 22

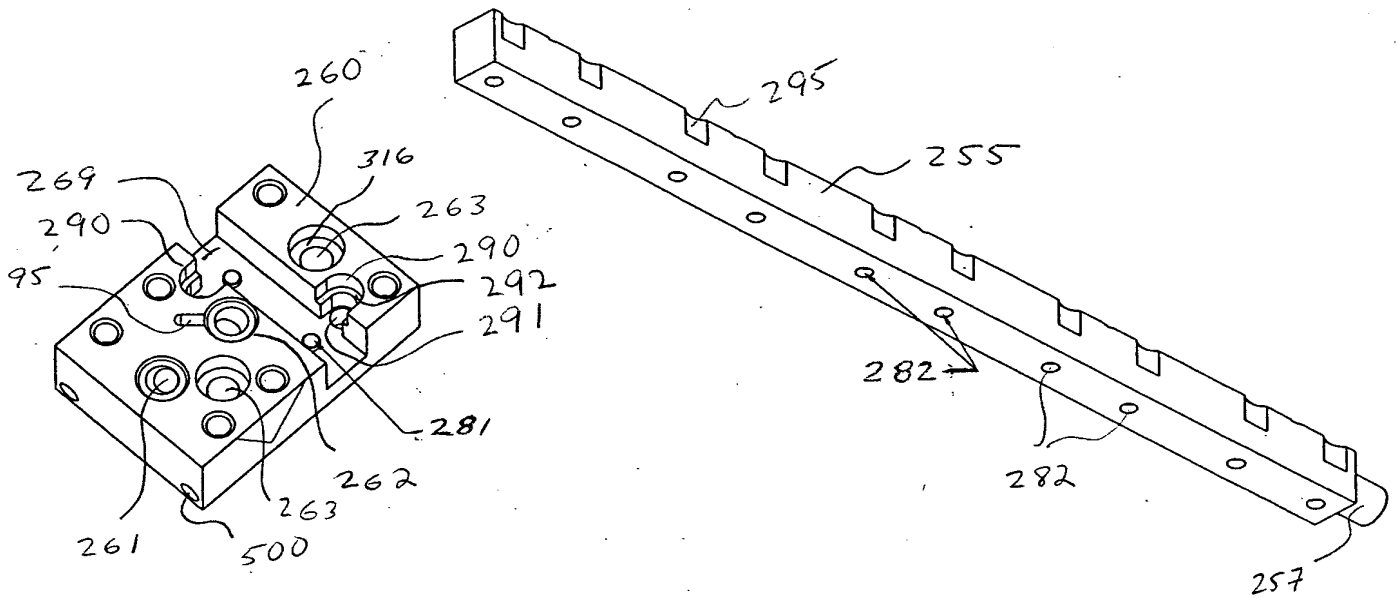
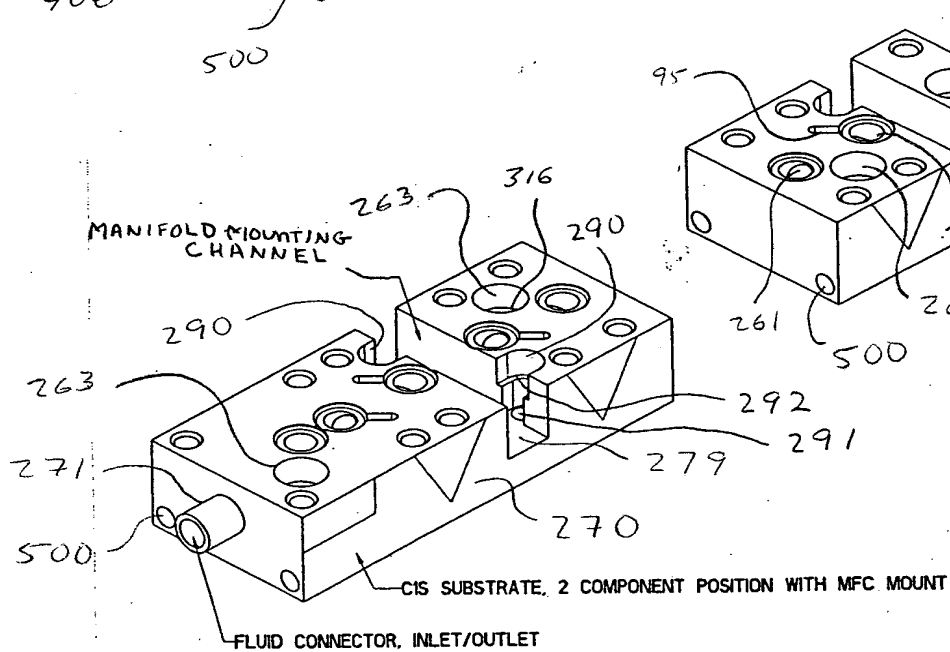


FIG. 1 is a perspective view of a first embodiment of a flow control device. The device includes a main body 270 with a top surface 276 and a bottom surface 272. A flow path 271 is defined by a channel 273 and a valve 274. The valve 274 is a V-shaped structure that can move between an open position (indicated by a dashed line) and a closed position (indicated by a solid line). The flow path 271 has a diameter of 0.18 inches. The valve 274 has a diameter of 0.14 inches typical. The device is shown in a perspective view with a 95-degree angle indicated.



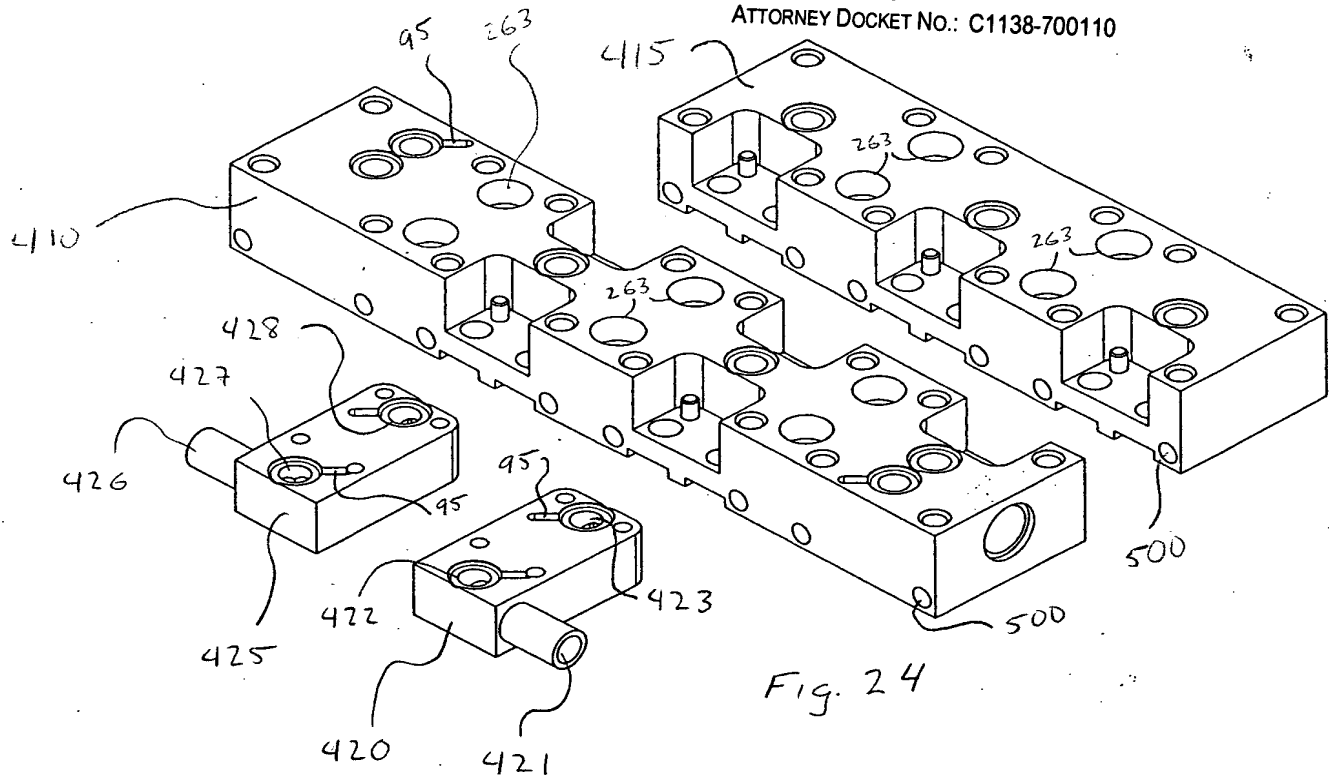


Fig. 24

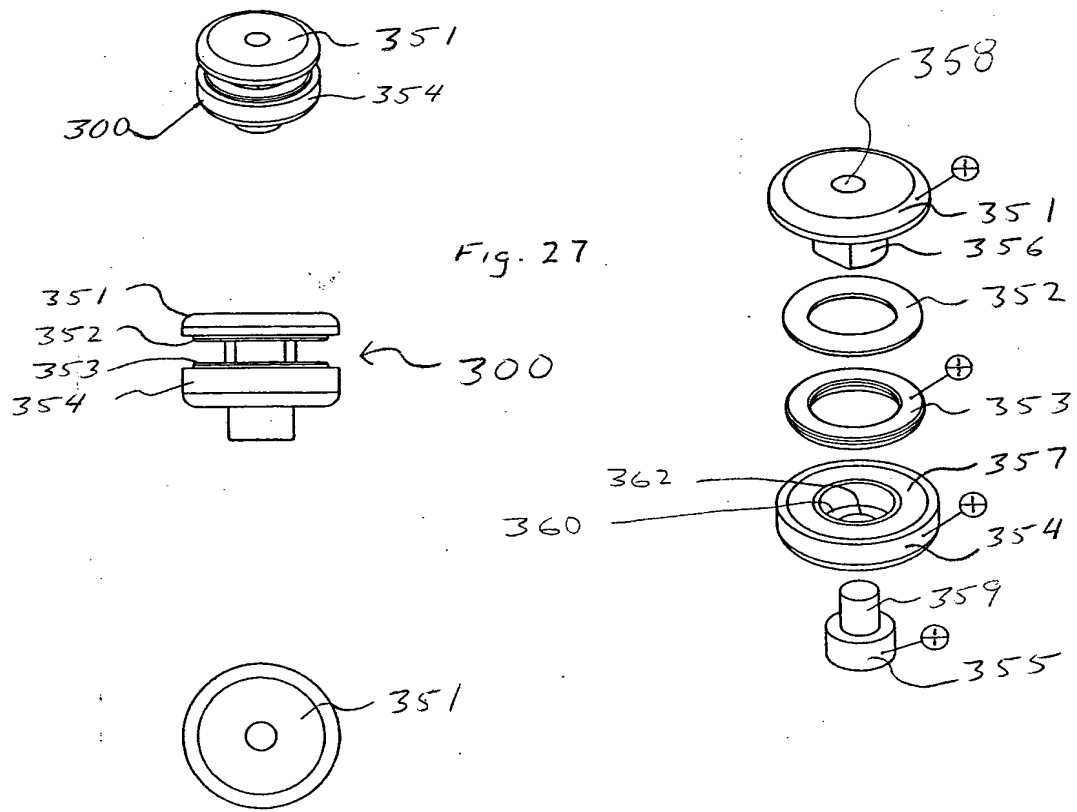


Fig. 27

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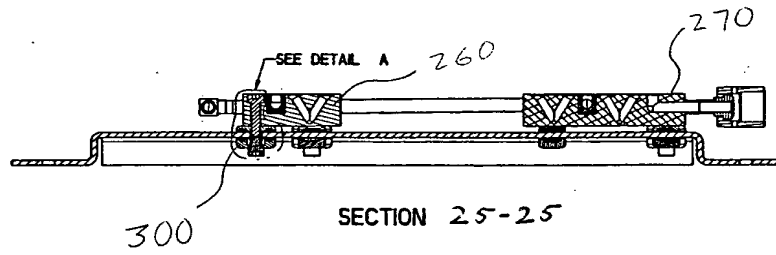


Fig. 25

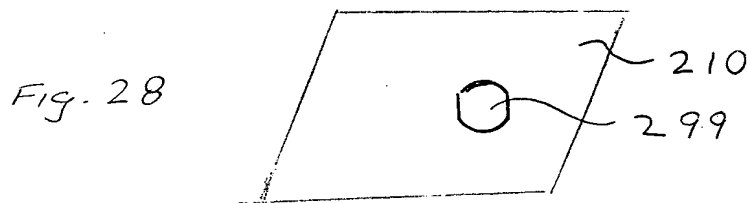
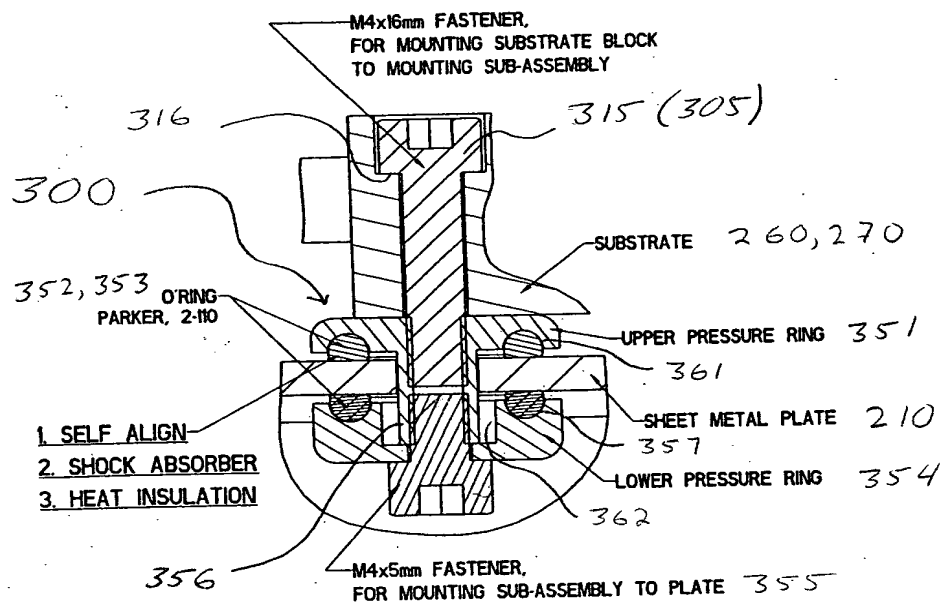


Fig. 28



DETAIL A

Fig. 26